

EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	389	384/569.ccls.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 10:51
L2	55	(carbonitrided or carbonitriding) and grain adj size and steel and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 10:51
L3	3	1 and L2	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 10:51
S1	26	okugami.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:43
S2	15276	muramatsu.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:41
S3	1789	ohki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:48
S4	25114	hori.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:42
S5	0	S1 with S2 with S3 with S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:42
S6	3	S1 and S2 and S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:42
S7	482	S2 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:49
S8	11	S2 and bearing and grain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:49

S9	6	S2 and bearing and austenite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:50
S10	108	S3 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:50
S11	22	S3 and bearing and austenite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:53
S12	5	S4 and bearing and austenite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/28 16:53
S13	2	"20030123769"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 08:12
S14	7	(("20030123769") or ("6224588") or ("6149734") or ("6440232") or ("6342109") or ("6165289") or ("4971634")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/29 08:36
S15	6	(("6423158") or ("5352303") or ("6224688") or ("4930909") or ("6440232") or ("4971634")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/29 08:41
S16	5	bearing with (austenite and fracture near stress and nitrid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:01
S17	26	(austenite and fracture near stress and nitrid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:12
S18	0	JP2001364516	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:35
S19	16933016	JP "2001364516"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:35
S20	7	"2001364516"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:36

S21	2	"2002194775"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:36
S22	2	"2002194793"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:36
S23	2	"2002194804"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:36
S24	2	"2002194921"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:37
S25	7	"2001364516"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 10:37
S26	2573	austenite and (grain with size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 14:35
S27	595	austenite and (grain with number)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 16:57
S28	7	S27 and 384/492.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 14:54
S29	5	S28 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 14:55
S30	4	S28 and hydrogen with (ppm aor content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 14:56
S31	17	takemura.in. and hydrogen with ppm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 14:59
S32	40	fracture with stress and "2650"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:00
S33	11307	fracture with stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:00

S34	303	fracture with stress and austenite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:00
S35	2	fracture with stress and austenite with (grain near number)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:01
S36	51	fracture with stress and austenite with (grain near size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:01
S37	23	fracture with stress and austenite with (grain near size) and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:02
S38	26	okugami.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 15:44
S39	27	(US-20040179761-\$ or US-20030123769-\$ or US-20040079310-\$ or US-20050205163-\$ or US-20020088511-\$ or US-20030051771-\$).did. or (US-4971634-\$ or US-6423158-\$ or US-6408665-\$ or US-6602358-\$ or US-6641680-\$ or US-5137375-\$ or US-6224688-\$ or US-6357924-\$ or US-6440232-\$).did. or (EP-1452755-\$ or WO-2005036003-\$ or EP-1462649-\$).did. or (JP-2004278784-\$ or JP-2003096539-\$ or JP-2003226919-\$).did. or (EP-1452755-\$ or EP-1484521-\$ or EP-1462649-\$ or JP-2002371320-\$ or JP-2003089855-\$ or JP-2004257556-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/29 16:56
S40	2	S39 and austenite with (grain near number)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 16:57
S41	24	austenite and grain and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:23
S42	21	austenite with grain and size and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:09

S43	0	austenite with grain and size and S39 with \$3nitrid\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:09
S44	0	austenite with grain and size and S39 with (nitrid\$4 or carbonitri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:09
S45	0	austenite and S39 with (nitrid\$4 or carbonitri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:09
S46	17	austenite and S39 and (nitrid\$4 or carbonitri\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:09
S47	2	S39 and (nitrid\$4 or carbonitri\$4) with grain near number	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:10
S48	10	S39 and (nitrid\$4 or carbonitri\$4) with grain near size	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:10
S49	5	S39 and (nitrid\$4 or carbonitri\$4) with grain near size and hydrogen with ppm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:11
S50	5	S39 and (nitrid\$4 or carbonitri\$4) with grain near size and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:11
S51	696985	S39 and (nitrid\$4 or carbonitri\$4) with fracture stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:11
S52	5	S39 and (nitrid\$4 or carbonitri\$4) with fracture near stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:12
S53	0	S39 with fracture near stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:12
S54	0	S39 with fracture same stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:12
S55	7	S39 and fracture same stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:12

S56	6	S39 and fracture near stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:27
S57	16	S39 and stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:27
S58	7	S39 and stress with fracture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:37
S59	8	S39 and hydrogen with ppm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:29
S60	0	S39 and bearing near (hydrogen with ppm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:32
S61	7	S39 and (nitrid\$4 or carbonitrid\$4) with (hydrogen with ppm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:33
S62	7	S39 and (nitrid\$4 or carbonitrid\$4) and (hydrogen with ppm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:33
S63	6	S39 and stress with fracture and "2650"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:37
S64	6	S39 and stress with fracture and Mpa	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:37
S65	538	384/912.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:44
S66	362	384/625.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/29 17:45
S67	11	"6258179"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/06/26 10:25

S68	7	(("6258179") or ("20030075244") or ("5972130") or ("5129966") or ("6251198") or ("5772956") or ("20030040401")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/26 10:26
S69	29	(("6258179") or ("20030075244") or ("5972130") or ("5129966") or ("6251198") or ("5772956") or ("20030040401") or ("7147382") or ("6532920") or ("6447619") or ("6328009") or ("6306227") or ("6158263") or ("6095692") or ("20050205163") or ("20040170348") or ("6012851") or ("5979383") or ("5944916") or ("5853249") or ("5803993") or ("5792286") or ("5775280") or ("5733667") or ("5558082") or ("5611250") or ("5595610") or ("5456766") or ("5456136") or ("5427600") or ("5427457") or ("5375232") or ("3954517") or ("20020082133")).PN.	USPAT; USOCR	OR	OFF	2007/10/24 17:20
S70	34	(("6258179") or ("20030075244") or ("5972130") or ("5129966") or ("6251198") or ("5772956") or ("20030040401") or ("7147382") or ("6532920") or ("6447619") or ("6328009") or ("6306227") or ("6158263") or ("6095692") or ("20050205163") or ("20040170348") or ("6012851") or	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/24 17:22

		("5979383") or ("5944916") or ("5853249") or ("5803993") or ("5792286") or ("5775280") or ("5733667") or ("5558082") or ("5611250") or ("5595610") or ("5456766") or ("5456136") or ("5427600") or ("5427457") or ("5375232") or ("3954517") or ("20020082133")).PN.				
S71	3	S70 and non\$diffus\$4 with hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/24 17:23
S72	27	(US-20050205163-\$ or US-20040179761-\$ or US-20030123769-\$ or US-20040079310-\$ or US-20030051771-\$ or US-20020088511-\$).did. or (US-6440232-\$ or US-4971634-\$ or US-6423158-\$ or US-6224688-\$ or US-6602358-\$ or US-6357924-\$ or US-6641680-\$ or US-6408665-\$ or US-5137375-\$).did. or (EP-1452755-\$ or WO-2005036003-\$ or EP-1462649-\$).did. or (JP-2004278784-\$ or JP-2003226919-\$ or JP-2003096539-\$).did. or (EP-1452755-\$ or EP-1484521-\$ or EP-1462649-\$ or JP-2004257556-\$ or JP-2003089855-\$ or JP-2002371320-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/12/05 11:17
S73	26	S72 and austenite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/05 11:17
S74	0	"6440232".pn. and "622468".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/05 11:18
S75	4	"6440232".pn. "622468".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/05 11:18

S76	3	S75 and austenite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/05 11:18
S77	2	"20040170348"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/05 12:17
S78	2	S77 and austenite with "grain size number"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/12/05 12:17
S79	27	(US-20050205163-\$ or US- 20040179761-\$ or US- 20030123769-\$ or US- 20040079310-\$ or US- 20030051771-\$ or US- 20020088511-\$).did. or (US-6440232-\$ or US- 4971634-\$ or US-6423158- \$ or US-6224688-\$ or US- 6602358-\$ or US-6357924- \$ or US-6641680-\$ or US- 6408665-\$ or US-5137375- \$).did. or (EP-1452755-\$ or WO-2005036003-\$ or EP-1462649-\$).did. or (JP- 2004278784-\$ or JP- 2003226919-\$ or JP- 2003096539-\$).did. or (EP- 1452755-\$ or EP-1484521- \$ or EP-1462649-\$ or JP- 2004257556-\$ or JP- 2003089855-\$ or JP- 2002371320-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:16
S80	16	S79 and carbonitrid\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:16
S81	10	S79 and carbonitrid\$4 and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:17
S82	9	S79 and (carbonitrided or carbonitridding) and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:18
S83	4806780	S79 and (carbonitrided or carbonitridding) and grain size	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:24
S84	8	S79 and (carbonitrided or carbonitridding) and grain adj size	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:24

S85	175	(carbonitrided or carbonitriding) and grain adj size and steel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:25
S86	55	(carbonitrided or carbonitriding) and grain adj size and steel and hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:26
S87	70	non\$diffus\$4 near5 hydrogen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:38
S88	65	(carbonitrided or carbonitriding) and grain adj size and steel and fracture	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:43
S89	25	(carbonitrided or carbonitriding) and grain adj size and steel and fracture with stress	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 09:47
S90	32	ohki-chikara.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 10:29
S91	17	ohki-chikara.in.	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/29 10:29

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